

SABIC Innovative Plastics LNP Thermocomp RFZ349 PA 66 (Asia Pacific)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* Thermocomp* RFZ349 is a compound based on Nylon 66 resin containing Glass Fiber, Milled Glass. Added features of this material include: Flame Retardant. This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-RFZ349-PA-66-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.66 g/cc	0.0600 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	0.20 %	0.20 %	50% RH; ASTM D 570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0039 cm/cm	0.0039 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
	0.0040 cm/cm	0.0040 in/in	ASTM D 955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0119 cm/cm	0.0119 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
	0.012 cm/cm	0.012 in/in	ASTM D 955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	ISO 527
	124 MPa	18000 psi	ASTM D 638
Elongation at Break	2.3 %	2.3 %	ASTM D 638
	3.2 %	3.2 %	ISO 527
Tensile Modulus	11.03 GPa	1600 ksi	50 mm/min; ASTM D 638
	11.4 GPa	1650 ksi	1 mm/min; ISO 527
Flexural Strength	179 MPa	26000 psi	ASTM D 790
	197 MPa	28600 psi	ISO 178
Flexural Modulus	7.17 GPa	1040 ksi	ASTM D 790
	9.00 GPa	1310 ksi	ISO 178

Mechanical Properties	Metric	English	Comments
Izod Impact, Notched	0.640 J/cm @Temperature 23.0 Â°C	1.20 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
Izod Impact, Unnotched	5.87 J/cm @Temperature 23.0 Â°C	11.0 ft-lb/in @Temperature 73.4 Â°F	ASTM D 4812
Izod Impact, Notched (ISO)	7.00 kJ/mÂ² @Temperature 23.0 Â°C	3.33 ft-lb/inÂ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	39.0 kJ/mÂ² @Temperature 23.0 Â°C	18.6 ft-lb/inÂ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1U
Impact Test	2.00 J	1.48 ft-lb	Multiaxial Impact; ISO 6603
	7.00 J @Temperature 23.0 Â°C	5.16 ft-lb @Temperature 73.4 Â°F	Instrumented Impact Energy @ peak; ASTM D 3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	235 Â°C	455 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	237 Â°C @Thickness 3.20 mm	459 Â°F @Thickness 0.126 in	unannealed; ASTM D 648

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China